

Figure 1

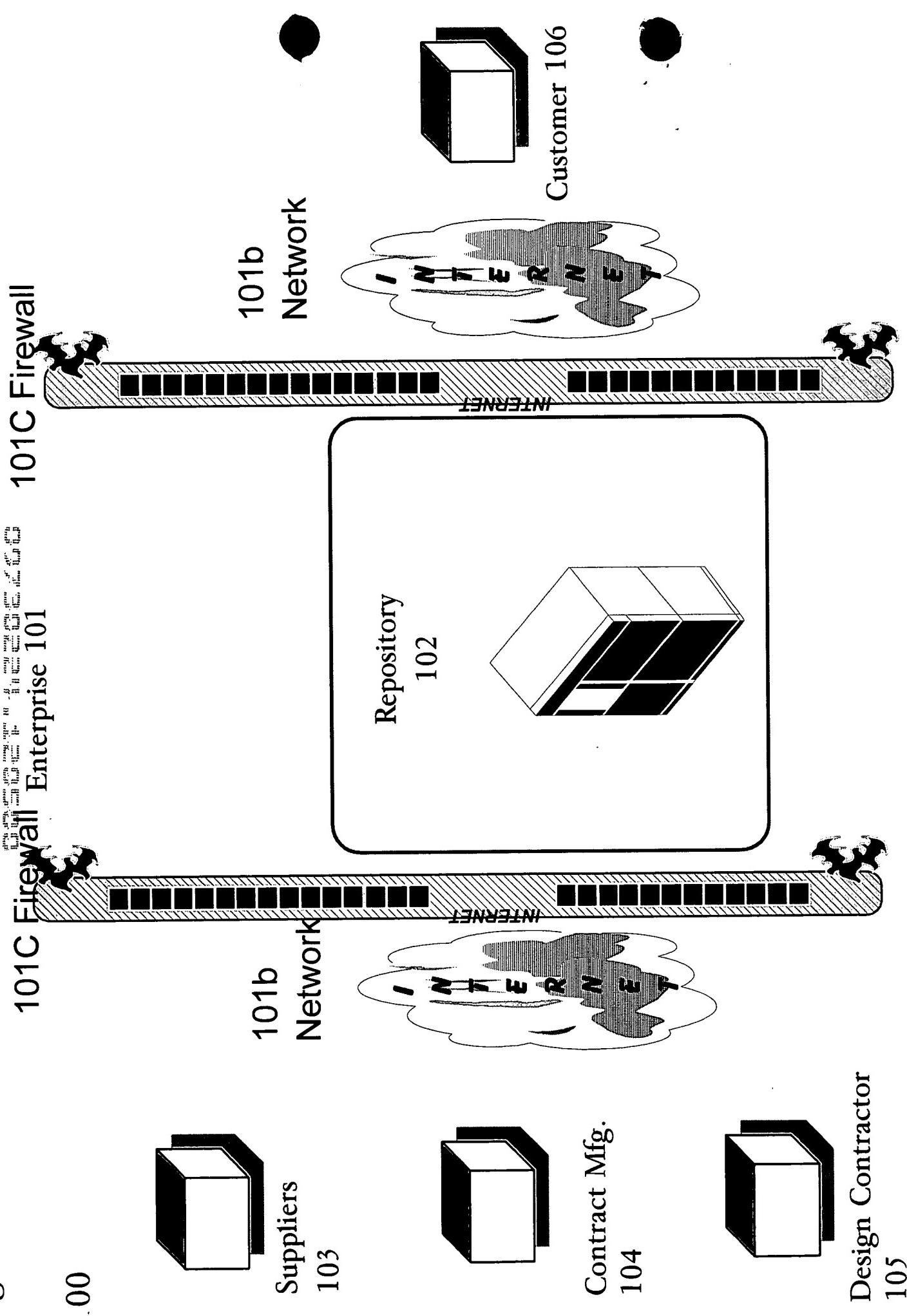


Figure 2

200

Data Records      201

202	203	206	207	208	209	210
Confidentiality 1	Release Status RD	Owning Location Austin	Part Number 84X4773	EC Number	Data Type Data Form .....	

Access Profile 212

213	214	215	216	217	218
Supplier Name ACME Corp	Supplier Number 824000134	Location Akron, OH	E-Mail data@acme.com	Format Preferences	Access Control Data
userid 235	password 236				225

2D CAD 221 - PDF, HPGL, WordPro 222  
3D CAD 223 3D DXF, 3D IGES 224

Conf., Rel, RRdy, Austin  
Conf., Rel., Poughkeepsie  
NonConf., Rel, RRdy, Pre, An

220

Figure 3

## Access Control System 300

Directory 304

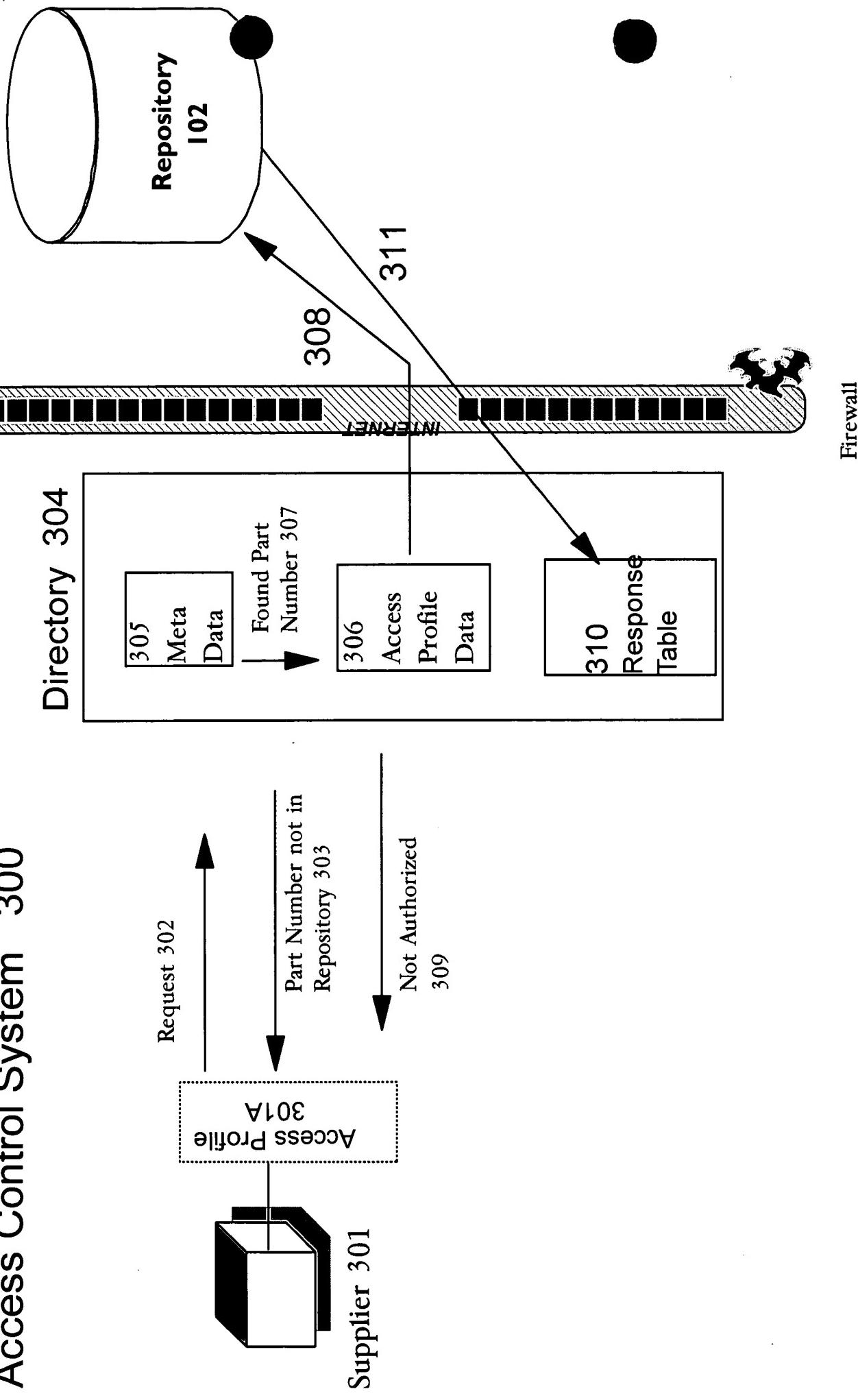
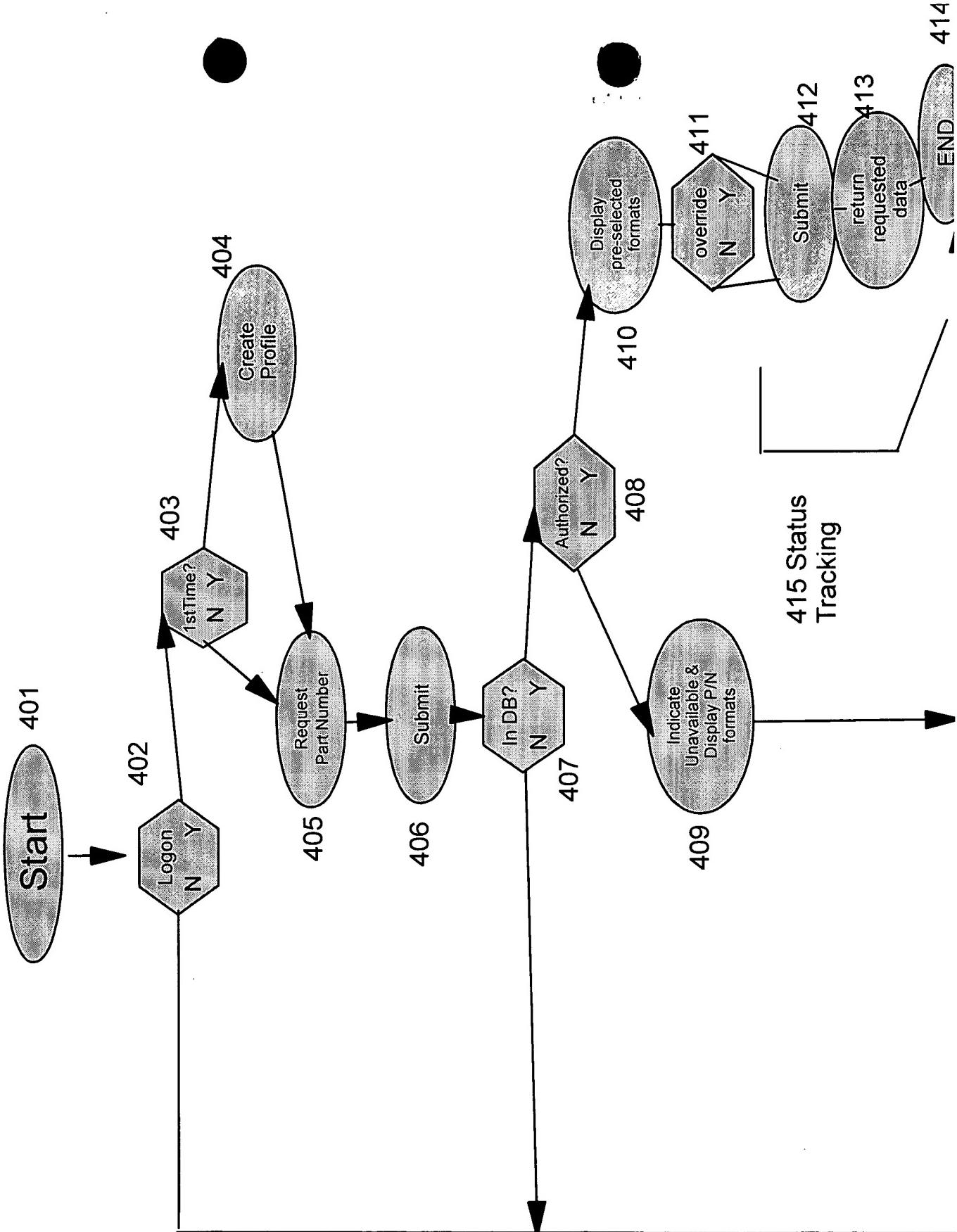


Figure 4

Request Transmission via Access Control System 400



**Figure 5a**

The screenshot shows the EGI Net website interface. At the top, there is a navigation bar with links for Home, Products, Consulting, Industries, News, and About IBM. Below this is a main menu with options for Submit New Request, View Existing Requests, and Other Information. A large "EGI Net" logo is prominently displayed. To the right of the logo is a "dropdown" button. At the bottom of the page, there is a "Related Links" section with links to IBM Common, Registration, Procurement Portal, IBM Worldwide, Privacy, Legal, and Contact.

**Extended Enterprise e-business**

**EGI Net**

[Submit New Request](#)   [View Existing Requests](#)   [Other Information](#)

**dropdown**

**Related Links**

- ▷ IBM Common
- ▷ Registration
- ▷ Procurement Portal
- ▷ **IBM Worldwide**
- ▷ Privacy   Legal   Contact

Figure 5b

User File Format Preferences:	<table border="1"><tr><td>2D Format:</td><td>3D Format:</td><td>Other Format:</td></tr><tr><td><input type="checkbox"/> 2D CADAM Model <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D HPGL - Schematic Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D PDF - Drafting Data <input checked="" type="checkbox"/> 2D TIFF - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> CorelDRAW Data <input type="checkbox"/> CorelDRAW PDF Data <input type="checkbox"/> DDLOGIC Data <input type="checkbox"/> DDPHYSI Data <input type="checkbox"/> ECNOTICE Text <input type="checkbox"/> Gerber Data <input type="checkbox"/> IGES Data <input type="checkbox"/> IMAGE Data (IBM IOCA) <input type="checkbox"/> Lotus WordPro Document <input type="checkbox"/> MIF Data <input type="checkbox"/> NCDRL Data <input type="checkbox"/> PKZIP (Compressed) Data <input type="checkbox"/> PostScript Data <input type="checkbox"/> TDIBOM Data <input type="checkbox"/> TDITXT Data <input type="checkbox"/> WordPro PDF Data</td><td><input type="checkbox"/> 3D DXF - Wireframe Geometry <input type="checkbox"/> 3D IGES - Surface Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> IGES Data</td><td><input type="checkbox"/> Nothing</td></tr></table>		2D Format:	3D Format:	Other Format:	<input type="checkbox"/> 2D CADAM Model <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D HPGL - Schematic Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D PDF - Drafting Data <input checked="" type="checkbox"/> 2D TIFF - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> CorelDRAW Data <input type="checkbox"/> CorelDRAW PDF Data <input type="checkbox"/> DDLOGIC Data <input type="checkbox"/> DDPHYSI Data <input type="checkbox"/> ECNOTICE Text <input type="checkbox"/> Gerber Data <input type="checkbox"/> IGES Data <input type="checkbox"/> IMAGE Data (IBM IOCA) <input type="checkbox"/> Lotus WordPro Document <input type="checkbox"/> MIF Data <input type="checkbox"/> NCDRL Data <input type="checkbox"/> PKZIP (Compressed) Data <input type="checkbox"/> PostScript Data <input type="checkbox"/> TDIBOM Data <input type="checkbox"/> TDITXT Data <input type="checkbox"/> WordPro PDF Data	<input type="checkbox"/> 3D DXF - Wireframe Geometry <input type="checkbox"/> 3D IGES - Surface Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> IGES Data	<input type="checkbox"/> Nothing
2D Format:	3D Format:	Other Format:						
<input type="checkbox"/> 2D CADAM Model <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D HPGL - Schematic Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D PDF - Drafting Data <input checked="" type="checkbox"/> 2D TIFF - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> CorelDRAW Data <input type="checkbox"/> CorelDRAW PDF Data <input type="checkbox"/> DDLOGIC Data <input type="checkbox"/> DDPHYSI Data <input type="checkbox"/> ECNOTICE Text <input type="checkbox"/> Gerber Data <input type="checkbox"/> IGES Data <input type="checkbox"/> IMAGE Data (IBM IOCA) <input type="checkbox"/> Lotus WordPro Document <input type="checkbox"/> MIF Data <input type="checkbox"/> NCDRL Data <input type="checkbox"/> PKZIP (Compressed) Data <input type="checkbox"/> PostScript Data <input type="checkbox"/> TDIBOM Data <input type="checkbox"/> TDITXT Data <input type="checkbox"/> WordPro PDF Data	<input type="checkbox"/> 3D DXF - Wireframe Geometry <input type="checkbox"/> 3D IGES - Surface Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> IGES Data	<input type="checkbox"/> Nothing						

Figure 5c

Electronic Graphic Interchange Request				
Request Number:				
Submitted By:	Matthew Rosenthal @ IBM			
IBM Part Number:	Engineering Change #	Formats Available	Status	Release Date
0000037L0319	10000E7348xx	<input type="checkbox"/> 2D PDF - Drafting Data <input type="checkbox"/> 2D DXF - Drafting Data <input checked="" type="checkbox"/> 2D HPGL - Drafting Data <input type="checkbox"/> 2D IGES - Drafting Data <input type="checkbox"/> 2D Viewport - Drafting Data <input type="checkbox"/> 3D DXF - Wireframe Geometry <input checked="" type="checkbox"/> 3D IGES - Wireframe Geometry <input type="checkbox"/> 3D Pro/E Part <input type="checkbox"/> 3D STEP - Geometry Data <input type="checkbox"/> CATIA Model (CATEXP) <input type="checkbox"/> 3D IGES - Surface Geometry <input type="checkbox"/> Bill of Materials	RD	2000-06-15
Basic Name: BRACKET				

**Figure 5d**

The screenshot shows the EGI Net application window. On the left, there's a toolbar with icons for Home, Previous, Expand, Collapse, Next, View Existing Requests, Request New Graphics, and File(s). Below the toolbar is a section titled "EGI Net" with links for Home Page, View Existing Requests, Request New Graphics, and Download Files. To the right of this is a "Related Links" section with links for IBM Calmiron, Registration Portal, Procurement Portal, IBM Worldwide, Privacy, Legal, Contact, and Help.

**View existing requests**

Download IBM Part# EC Num File Type Date Sent Date Downloaded Sent By

- 1: New Requests
- 2: Work in Progress
- 3: Ready for Download
- 4: Download Complete

**View existing requests**

Download IBM Part#	EC Num	File Type	Date Sent	Date Downloaded	Sent By
▼ 1: New Requests					
<u>00000032L0319</u>	10000E73488X	2D HPGL - Drafting Data			
▼ 2: Work in Progress					
<u>00000011DP001</u>	10000SYTST1M	2D DXF - Drafting Data			
▼ 3: Ready for Download					
<input type="checkbox"/> <u>00000011DP003</u>	10000SYTST2A	2D HPGL - Drafting Data	09/14/2000 02:19:45 PM		Eginet Support
<input type="checkbox"/> <u>00000011DP003</u>	10000SYTST2A	3D IGES - Surface Geometry	09/14/2000 02:20:25 PM		Eginet Support
▼ 4: Download Complete					
<input type="checkbox"/> <u>00000011DP003</u>	10000SYTST2A	2D DXF - Drafting Data	09/14/2000 02:19:48 PM	09/14/2000 04:14:16 PM	Eginet Support

**Figure 6**

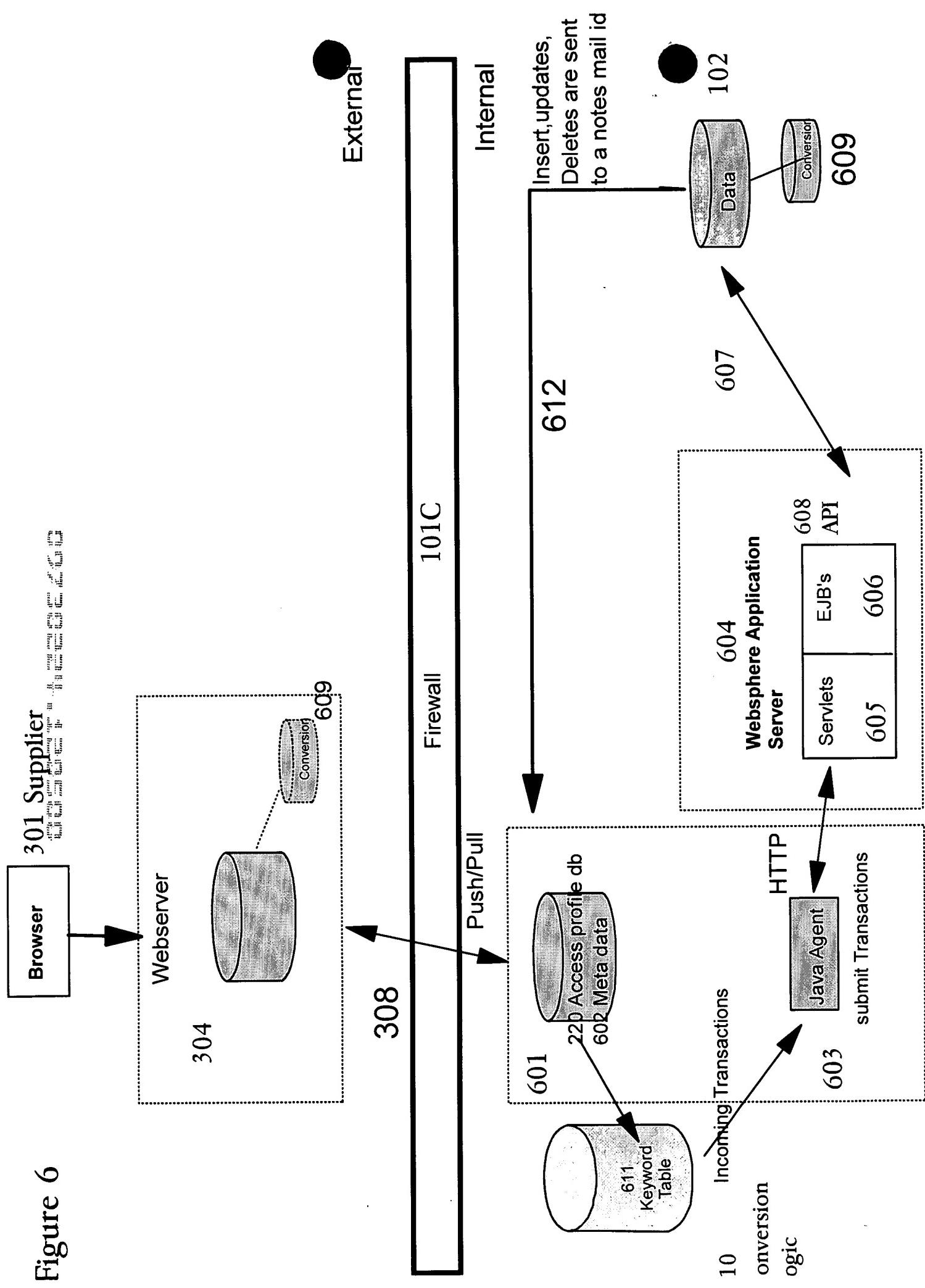
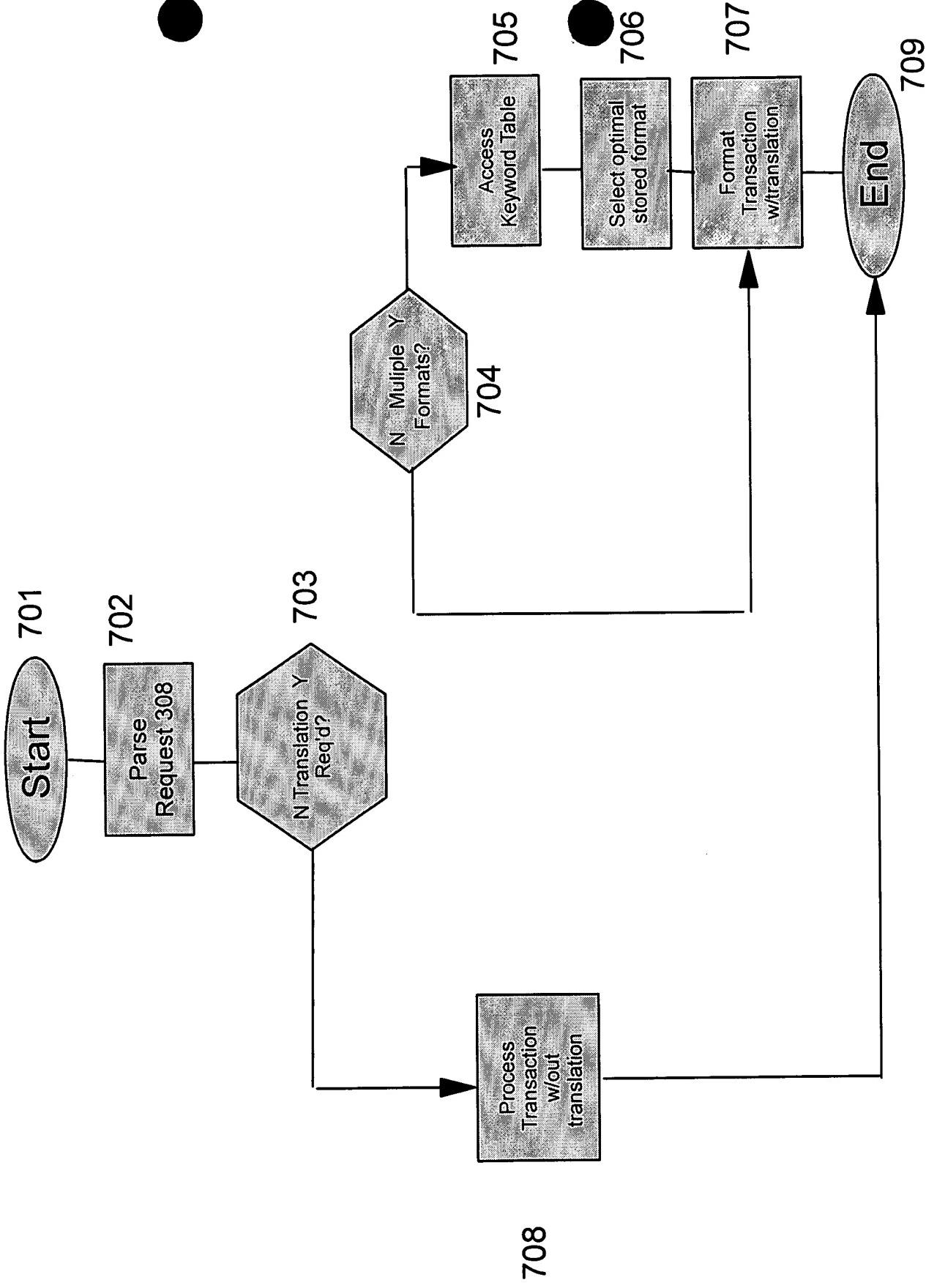


Figure 7

## Conversion logic Process 700

701 Start  
702 Parse Request 308  
703 N Translation Req'd?  
704 Y Multiple Formats?  
705 Access Keyword Table  
706 Select optimal stored format  
707 Format Transaction w/translation  
708 Process Transaction w/out translation  
709 End



**Figure 8**

Keyword Table 800

- ▶ EGINET Map Tables
- ▶ ▶ Keywords
  - ▶ Q Supplier Restrictions
  - ▶ Q By Location Name
  - ▶ Q By Location Number
  - ▶ Q By Supplier Number
  - ▶ Q SupplierFarms
- ▶ Q 2D
  - ▶ Q By Description
  - ▶ Q Lookup
- ▶ Q 3D
  - ▶ Q By Description
  - ▶ Q [By Format Precedence]
  - ▶ Q By Lookup
- ▶ Q Agents

it	Precedence	DType	DForm	Format
2D CADAM Model				
DXF - Drafting Data				
HPGL - Drafting Data				
GES - Schematic Data				
PDF - Drafting Data				
TIFF - Drafting Data				
Viewport - Drafting Data				
<b>801</b>				
Descript	Precedence	DType	DForm	Format
▼ 2D CADAM Model	1	CADAM	DRAW	2D Format File
▼ 2D DXF - Drafting Data	1	CATIA	DRAW	2D Format File
	2	CATIA	MODEL	2D Format File
	3	CATIA	SIMPL	2D Format File
▼ 2D HPGL - Drafting Data	1	HPGL	* (all dforms)	2D Format File
	2	CATIAPLT	HPGL	2D Format File
	3	CADAM	DRAW	2D Format File
	4	CATIA	DRAW	2D Format File
	5	CATIA	MODEL	2D Format File
▼ 2D HPGL - Schematic Data	1	HPGLSCH	* (all dforms)	2D Format File
▼ 2D IGES - Drafting Data	1	IGESE	DRAW	2D Format File
	2	CATIA	DRAW	2D Format File
	3	CATIA	MODEL	2D Format File
	4	CATIA	SIMPL	2D Format File

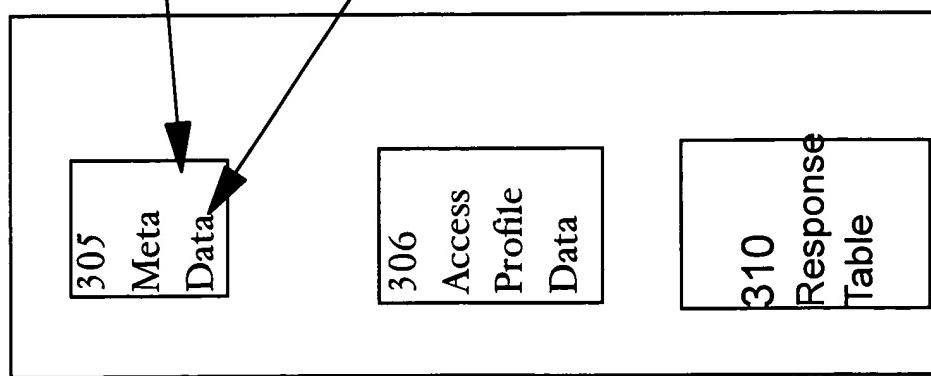
Figure 9

601 Meta data flat file for initial database load

601

Meta data flat file  
for initial database load

Directory 304



Meta data flat file for initial load

102

delta meta data via Notes Mail

602 Meta data

602 Meta data

data